Today's Date: 4/8/05

What date would you like to use to limit the search?
Priority Date: 3/22/01   Other:

Name _Cong-Lac Huynh_

AU _2178_   Examiner # _76270_

Room # _RND-3A65_ Phone _2-4125_

Serial # _09/815,546_

Format for Search Results (Circle One):
(PAPER)   DISK   EMAIL

Where have you searched so far?
USP   DWPI   EPO   JPO   (ACM)   IBM TDB
(IEEE)   INSPEC   SPI   Other _ProQuest_

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Topic: Providing a description of a current position in an HTML/XML document

Novelty: Upon receiving a user request for a description of a cursor position in the document, using an algorithm to construct a position response by walking up the parse tree, from the tree node associated with the current position in the doc to the root of the doc, and delivering the position response to the user

Keywords: current position, HTML/XML document, walking up algorithm

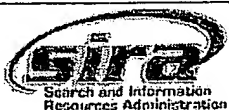STIC Searcher _Geoffrey St. Leger_ Phone _23540_

Date picked up _4/8/5_   Date Completed _4/8/5_

STIC Search Report
EIC 2100

STIC Database Tracking Number: 150288

TO: Cong-Lac Huynh **Location: RND 3A65** **Art Unit : 2178** **Friday, April 08, 2005** **Case Serial Number: 09/815546**	**From: Geoffrey St. Leger** **Location: EIC 2100** **Randolph-4B31** **Phone: 23450** **geoffrey.stleger@uspto.gov**

Search Notes

Dear Examiner Huynh,

Attached please find the results of your search request for application 09/815546. I searched Dialog's patent files, technical databases and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540

STIC Search Results
Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact*:

**Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28**

Voluntary Results Feedback Form

➢ *I am an examiner in Workgroup:* [   ]   *Example: 2133*

➢ *Relevant prior art **found**, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

➢ *Relevant prior art **not found**:*

- ☑ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.
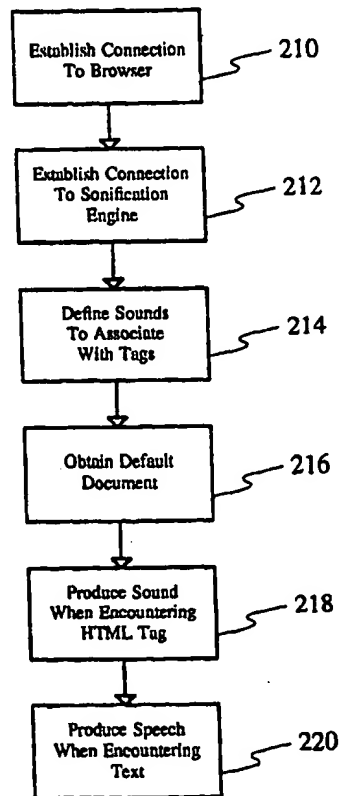
Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

sira
Search and Information
Resources Administration

PCT

(51) International Patent Classification 6 :	A1	(11) International Publication Number:	WO 99/21169
G10L 5/04		(43) International Publication Date:	29 April 1999 (29.04.99)

(21) International Application Number: PCT/US98/22235

(22) International Filing Date: 21 October 1998 (21.10.98)

(30) Priority Data:
08/956,238   22 October 1997 (22.10.97)   US

(71) Applicant (for all designated States except US): SONICON, INC. [US/US]; 56 Salisbury Road, Watertown, MA 02472 (US).

(72) Inventors; and
(75) Inventors/Applicants (for US only): MACKENTY, Edmund, R. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). OWEN, David, E. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). ARONS, Barry, M. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). CLEMENS, Marshal, W. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US).

(74) Agents: COHEN, Jerry et al.; Perkins, Smith & Cohen, LLP, One Beacon Street, Boston, MA 02108 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: SYSTEM AND METHOD FOR AUDITORIALLY REPRESENTING PAGES OF HTML DATA

(57) Abstract

A method for representing HTML documents auditorially includes the steps of assigning (214) unique sounds to HTML tags and events encountered in an HTML document, producing the associated sounds whenever those tags or events are encountered (218), and representing encountered text as speech (220). Speech and non–speech sounds may be produced simultaneously or substantially simultaneously. A corresponding system (10) is also disclosed.

What is claimed is:

<div align="center">CLAIMS</div>

1.   A method of representing HTML documents auditorially, the
HTML document including text and at least one HTML tag, the
method comprising the steps of:

    (a) assigning a sound to an HTML tag encountered in a
    document (214);

    (b) producing the assigned sound whenever the HTML tag
    associated with the sound is encountered (218); and

    (c) producing speech representing text encountered in the
    HTML document (220).

2.   The method of claim 1 wherein steps (b) and (c) occur
substantially simultaneously.

3.   The method of claim 1 wherein step (c) further comprises

    (c-a) producing speech representing text encountered in
    the HTML document; and

    (c-b) including pauses in the speech representing
    punctuation encountered in the HTML document.

4.   The method of claim 1 further comprising the steps of

    (d)   accepting input indicating selection of a particular
    HTML tag;

    (e)   auditorially displaying a new HTML document
    identified by the selected tag.

5.   The method of claim 1 further comprising the steps of:

    (f) altering a sound whenever a sound altering HTML tag
is encountered;   and

    (g) halting a sound whenever a sound halting HTML tag is
encountered.

6.   The method of claim 1 further comprising the step of
replacing a textual construct with a text passage before step
(c).

7.   The method of claim 6 wherein said replacing step
comprises replacing an electronic mail address with a text
passage before step (c).

8.   A system for representing HTML documents auditorially, the
system comprising:

a parser (12) receiving a HTML document and
outputting a tree representing the received document; and
a reader (14) using the tree to produce sound
representing the text and tags contained in the HTML
5   document.

9.   The system of claim 8 wherein said parser produces a tree
having at least one node, said at least one node representing
a HTML tag.

10.   The system of claim 9 wherein tag attributes and tag
10   attribute values are attached to each node.

11.   The system of claim 8 wherein textual data contained in
the HTML document is represented as leaf nodes of the tree.

12.   The system of claim 8 wherein said reader performs a
depth-first traversal of the tree to produce sound
15   representing the texts and tags contained in the HTML
document.

13.   The system of claim 8 further comprising a read cursor
indicating the position within the parsed HTML tree that said
reader is currently outputting.

20   14.   The system of claim 13 wherein the position of the read
cursor can be changed, causing a different position of the
parsed HTML document to be output.

15.   The system of claim 8 further comprising an enqueue
cursor indicating the position within the parsed HTML tree
25   that will be processed for output by said reader.

16.   An article of manufacture having computer-readable
program means for representing HTML documents auditorially
embodied thereon, the HTML document including text and at
least one HTML tag, the article of manufacture comprising:

30   (a)   computer-readable program means (214) for assigning
a unique sound to an HTML tag encountered in a document;
(b)   computer-readable program means (218) for producing
the assigned sound whenever the HTML tag associated with
the sound is encountered; and

35   (c) computer-readable program means (220) for producing
speech representing text encountered in the HTML
document.

17.   The article of claim 16 further comprising:

(d) computer-readable program means for accepting input indicating selection of a particular HTML tag; and

(e) computer-readable program means for auditorially displaying a new HTML document identified by the selected

5   tag.

```
File 348:EUROPEAN PATENTS 1978-2005/Apr W01
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050331,UT=20050324
         (c) 2005 WIPO/Univentio

Set      Items    Description
S1       22346    WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR HYPERTEXT??? OR -
                  HTTP)()PAGE? ? OR (HTML OR XML OR (MARKUP OR MARK()UP)()LANGU-
                  AGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUMENT? ?)
S2      754017    DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3       30570    (POSITION OR LOCATION)(5N)(CURSOR OR POINTER OR ARROW OR M-
                  ARKER OR INDICATOR)
S4         479    S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5       26494    (POSITION OR LOCATION)(7N)S1:S2
S6       69732    TREE OR TREES OR HIERARCH?
S7        1925    S6(5N)(WALK??? OR TRAVERS???)
S8        1373    (POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A-
                  RROW OR MARKER OR INDICATOR)
S9           3    (S4 OR S8)(50N)S7
S10         21    S5(50N)S7
S11         18    S10 NOT S9
S12         11    S11 AND AC=US/PR
S13          9    S12 AND AY=(1970:2001)/PR
S14         10    S11 AND PY=1970:2001
S15         12    S13:S14
```

00662861
System and method for control of a computer.
System und Verfahren zur Steuerung eines Rechners.
Systeme et methode pour la commande d'un ordinateur.
PATENT ASSIGNEE:
  AT&T GLOBAL INFORMATION SOLUTIONS INTERNATIONAL INC., (1449481), 1700
    South Patterson Boulevard, Dayton, Ohio 45479, (US), (applicant
    designated states: DE;FR;GB)
INVENTOR:
  1Miller, Michael Stephen, 310 Waverly Hall Circle, Roswell, Georgia 30075
    , (US)
  Hunter, Wesley Gene, 3425-B North Druid Hills Road, Decatur, Georgia
    30033, (US)
LEGAL REPRESENTATIVE:
  Cleary, Fidelma et al (85871), International IP Department NCR Limited
    206 Marylebone Road, London NW1 6LY, (GB)
PATENT (CC, No, Kind, Date):   EP 636974   A2   950201 (Basic)
                               EP 636974   A3   950705
APPLICATION (CC, No, Date):   EP 94305497 940726;
PRIORITY (CC, No, Date): US 98998 930729
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-003/033; G06F-003/023;
ABSTRACT WORD COUNT: 122

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   EPABF2   515
      SPEC A   (English)   EPABF2   9325
Total word count - document A   9840
Total word count - document B   0
Total word count - documents A + B   9840

...SPECIFICATION recognizable by the system, enter one or more characters
  of the search pattern. The search begins at the original cursor **position**
  . As each character is recognized, the **cursor** moves immediately left of
  the **text** that is nearest the original **cursor   position** and that
  matches the search pattern. "Nearest" is defined in terms of depth-first
  traversal of the folder **tree** . If there is no match, then the cursor
  does not move. Lower case patterns match lower and upper case content...

00489818   **Image available**
SYSTEM AND METHOD FOR AUDITORIALLY REPRESENTING PAGES OF SGML DATA
SYSTEME ET PROCEDE POUR LA REPRESENTATION SONORE DE PAGES DE DONNEES DE
    LANGAGE STANDARD GENERALISE DE BALISAGE (SGML)
Patent Applicant/Assignee:
  SONICON INC,
  MACKENTY Edmund R,
  OWEN David E,
Inventor(s):
  MACKENTY Edmund R,
  OWEN David E,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9921170 A1 19990429
  Application: WO 98US22236 19981021   (PCT/WO US9822236)
  Priority Application: US 97956238 19971022

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
 AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
 HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
 NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
 FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
 TD TG
Publication Language: English
Fulltext Word Count: 5687

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...   that it can
  represent the end of that tag in sound as well.

  The reader maintains two cursors as it **traverses** the **tree**
  data structure. A cursor is a reference to a particular
   position , or node, within the tree. The first **cursor**
  represents the **position** within the parsed SGML **document** tree
  which is currently being sonified, and will be referred to as
  the "read cursor". The second cursor represents the...

Claim
... represented as leaf nodes of the
  tree.

  12 The system of claim 8 wherein said reader performs a
  depth-first **traversal** of the **tree** to produce sound
  representing the texts and tags contained in the SGML
  document.

  13 The system of claim 8 further...

...position within the parsed SGML tree that
  said reader is currently outputting.

  14 The system of claim 13 wherein the **position** of the read
   cursor can be changed, causing a different **position** of
  the parsed SGML **document** to be output.
  . The system of claim 8 further comprising an enqueue
  cursor indicating the position within the parsed SGML...

 9/3,K/3   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00489817   **Image available**
SYSTEM AND METHOD FOR AUDITORIALLY REPRESENTING PAGES OF HTML DATA
SYSTEME ET PROCEDE POUR LA REPRESENTATION SONORE DE PAGES DE DONNEES HTML
Patent Applicant/Assignee:
  SONICON INC,
  MACKENTY Edmund R,
  OWEN David E,
  ARONS Barry M,
  CLEMENS Marshal W,
Inventor(s):
  MACKENTY Edmund R,
  OWEN David E,
  ARONS Barry M,

CLEMENS Marshal W,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9921169 A1 19990429
  Application: WO 98US22235 19981021   (PCT/WO US9822235)
  Priority Application: US 97956238 19971022
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
  HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
  NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
  GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
  FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
  TD TG
Publication Language: English
Fulltext Word Count: 7293

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... that it can
  represent the end of that tag in sound as well.

  The reader maintains two cursors as it **traverses** the **tree**
  data structure. A cursor is a reference to a particular
   position , or node, within the tree. The first **cursor**
  represents the **position** within the parsed **HTML**   **document** tree
  which is currently being sonified, and will be referred to as
  the "read cursor". The second cursor represents the...

Claim
... represented as leaf nodes of the tree.

  12 The system of claim 8 wherein said reader performs a
  depth-first **traversal** of the **tree**   to produce sound
  representing the texts and tags contained in the HTML
  document.

  13 The system of claim 8 further...

...position within the parsed HTML tree that said
  reader is currently outputting.

  14 The system of claim 13 wherein the **position** of the read
   cursor can be changed, causing a different **position** of the
  parsed **HTML**   **document** to be output.

00914979
AUTOMATED DOCUMENT CLASSIFICATION SYSTEM AND METHOD
AUTOMATISIERTES KLASSIFIKATIONSSYSTEM UND -VERFAHREN FUR DOKUMENTE
SYSTEME ET METHODE DE CLASSIFICATION AUTOMATIQUE DE DOCUMENTS
PATENT ASSIGNEE:
  LEXIS-NEXIS, (2092361), a Division of Reed Elsevier Inc., 9443 Springboro
    Pike, Miamisburg, OH 45401, (US), (Proprietor designated states: all)
INVENTOR:
  MEHRLE, Joseph, P., 4617 Peakview Court, Hamilton, OH 45011, (US)
LEGAL REPRESENTATIVE:
  Gray, John James et al (69603), Fitzpatricks, 4 West Regent Street,
    Glasgow G2 1RS, (GB)
PATENT (CC, No, Kind, Date):   EP 970428   A1   000112 (Basic)
                               EP 970428   B1   030423
                               WO 97048057 971218
APPLICATION (CC, No, Date):   EP 97925617 970516;   WO 97US8381   970516
PRIORITY (CC, No, Date): US 654871 960529
DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; LU; NL
INTERNATIONAL PATENT CLASS: G06F-017/21; G06F-017/30
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200317	1034
CLAIMS B	(German)	200317	1053
CLAIMS B	(French)	200317	1240
SPEC B	(English)	200317	5479
Total word count - document A			0
Total word count - document B			8806
Total word count - documents A + B			8806

...SPECIFICATION In step 100, any unclassified legal document exceeding the
minimum threshold value of step 108 will have inserted into its **text**
the appropriate classification key and hierarchy **location** key,
resulting in a classified legal **document** . These keys will provide
navigation from the document to the hierarchy with which it is
associated, and conversely a user **traversing** the **hierarchy** described
above with reference to Figure 3 and produced by the process described
above with reference to Figures 1A and...

00867888
MEMORY PAGE COMPRESSION
SPEICHERSEITEN-KOMPRIMIERUNG
COMPRESSION DE PAGES DE MEMOIRE
PATENT ASSIGNEE:
  Advanced Micro Devices, Inc., (2202740), Mail Stop 562, 5204 East Ben
    White Boulevard, Austin, TX 78741, (US), (Proprietor designated states:
    all)
INVENTOR:
  MACDONALD, James, R., 203 Dewberry Cove, Buda, TX 78610, (US)
  DUTTON, Drew, 6661 Whitemarsh Valley Walk, Austin, TX 78746, (US)
  COX, Steve, 126 Royal Oak Lane, Austin, TX 78734, (US)
LEGAL REPRESENTATIVE:
  Picker, Madeline Margaret (78551), Brookes Batchellor 1 Boyne Park,
    Tunbridge Wells Kent TN4 8EL, (GB)

PATENT (CC, No, Kind, Date): EP 976045 A1 000202 (Basic)
                             EP 976045 B1 020424
                             WO 9723828 970703
APPLICATION (CC, No, Date): EP 96924645 960719; WO 96US12005 960719
PRIORITY (CC, No, Date): US 576100 951221
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G06F-012/02; G06F-012/08; G06F-012/10
NOTE:
   No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS B   (English)   200217   1626
      CLAIMS B   (German)   200217   1495
      CLAIMS B   (French)   200217   2001
      SPEC B   (English)   200217   6517
Total word count - document A   0
Total word count - document B   11639
Total word count - documents A + B   11639

   ...SPECIFICATION address of page frame 111 and an offset portion 107 of
   linear address 109 provides an offset to physical memory **location** 112.
      The compressed **page** mapping hierarchy 360 parallels address mapping
   hierarchy 350 and the same directory index 105 and table index 106
   portions of linear address 109 are used to **traverse** both **hierarchies** .
   However, unlike the address mapping hierarchy 350 which maps a full
   32-bit linear address to a physical memory **location** , the compressed
   page mapping hierarchy 360 maps from a linear page to a compressed page
   (i.e., from the page in the linear...

   15/3,K/3   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00991721   **Image available**
**BROWSER-TO-BROWSER,   DOM-BASED,   PEER-TO-PEER COMMUNICATION WITH DELTA
    SYNCHRONIZATION**
**COMMUNICATION POSTE A POSTE, NAVIGATEUR A NAVIGATEUR, REPOSANT SUR LE
    MODELE D'OBJET DOCUMENT, AVEC SYNCHRONISATION DELTA**
Patent Applicant/Assignee:
   SOFT2B LLC, 303 Worcester Road, Framingham, MA 01701, US, US (Residence),
      US (Nationality)
Inventor(s):
   ZHANG Chenglin, 15 Newton Street, Southboro, MA 01772, US,
Legal Representative:
   PANDISCIO Mark J (agent), Pandiscio & Pandiscio, 470 Totten Pond Road,
      Waltham, MA 02451-1914, US,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200321798 A2-A3 20030313 (WO 0321798)
   Application: WO 2002US27992 20020903 (PCT/WO US02027992)
   Priority Application: US 2001316994 20010904; US 2001340606 20011213
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
   SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
   (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English

Fulltext Word Count: 20141

Fulltext Availability:
  Claims

Claim
... and XPointer expression; an XLINK
  expression; an Internet Explorer (IE) Markup Pointer
  identifying contents in a browser; an absolute
  character **position** in a stream-based **HTML** **document**
  model; and an object naming identification mechanism in
  a DHTML model.
  22 A peer-to-peer communication system according
  to claim 21 wherein said identification mechanism
  comprises an XPointer expression, and further wherein
  is said XPointer expression is constructed by **walking**
  backwards through the DOM **tree** until finding the
  earlier of the root or the ID

 15/3,K/4   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00893384   **Image available**
A METHOD AND SYSTEM FOR DESCRIBING AND IDENTIFYING CONCEPTS IN NATURAL
   LANGUAGE TEXT FOR INFORMATION RETRIEVAL AND PROCESSING
PROCEDE ET SYSTEME POUR LA DESCRIPTION ET L'IDENTIFICATION DE CONCEPTS,
   DANS LES TEXTES EN LANGAGE NATUREL, POUR LA RECUPERATION ET LE
   TRAITEMENT D'INFORMATION
Patent Applicant/Assignee:
  GAVAGAI TECHNOLOGY INCORPORATED, #420, 6450 Roberts Street, Burnaby,
    British Columbia V5G 4E1, CA, CA (Residence), CA (Nationality), (For
    all designated states except: US)
Patent Applicant/Inventor:
  FASS Daniel C, #205, 1150 Cotton Drive, Vancouver, British Columbia V5L
    3T5, CA, CA (Residence), CA (Nationality), (Designated only for: US)
  TURCATO Davide, #303, 1842 East Pender Street, Vancouver, British
    Columbia V5L 1W7, CA, CA (Residence), CA (Nationality), (Designated
    only for: US)
  TISHER Gordon W, 15705 - 109A Avenue, Surrey, British Columbia V4N 4T6,
    CA, CA (Residence), CA (Nationality), (Designated only for: US)
  NICHOLSON James Devlan, #409, 3136 St. Johns Street, Port Moody, British
    Columbia V3H 5E4, CA, CA (Residence), CA (Nationality), (Designated
    only for: US)
  MOSNY Milan, #1702-1275 Pacific Street, Vancouver, British Columbia V6E
    1T6, CA, CA (Residence), SK (Nationality), (Designated only for: US)
  POPOWICH Frederick P, 119 5th Avenue, New Westminster, British Columbia
    V3l 1R3, CA, CA (Residence), CA (Nationality), (Designated only for:
    US)
  TOOLE Janine T, 4056 Yale Street, Burnaby, British Columbia V5C 1P9, CA,
    CA (Residence), AU (Nationality), (Designated only for: US)
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    V3K 3M8, CA, CA (Residence), CA (Nationality), (Designated only for:
    US)
Legal Representative:
  GREEN Bruce M (agent), c/o Oyen Wiggs Green & Mutala, 480 - 601 West
    Cordova Street, Vancouver, British Columbia V6B 1G1, CA,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200227524 A2-A3 20020404 (WO 0227524)
  Application: WO 2001CA1398 20010928 (PCT/WO CA01001398)
  Priority Application: US 2000236342 20000929
Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
    AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
    EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
    LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
    SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
    (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
    (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
    (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 21491

Fulltext Availability:
  Detailed Description

Detailed Description
... example of how recursive descent matching 1066 The recursive descent
   matcher 1066 attempts to match a given Concept at each **position** in the
   text .

   At **position** 0 (the first instance of the word the), the matcher
   1066 **traverses** the Concept **Tree** 1054 in a top-down fashion. It first
   encounters the OR operator. It then checks the first sub-expression of...

   15/3,K/5   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00857248   **Image available**
SNIPPET SELECTION
SELECTION DE FRAGMENTS
Patent Applicant/Assignee:
  SAP PORTALS INC, 30 Las Colinas Lane, San Jose, CA 95119, US, US
    (Residence), US (Nationality)
Inventor(s):
  GVILY Yaniv, 1395 Kelly Park Circle, Morgan Hill, CA 95037, US,
Legal Representative:
  FRANKLIN Thomas D (et al) (agent), Townsend and Townsend and Crew LLP,
    Two Embarcadero Center, 8th Floor, San Francisco, CA 94111, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200190908 A1 **20011129** (WO 0190908)
  Application: WO 2001US16403 20010522 (PCT/WO US0116403)
  Priority Application: US 2000206764 20000522; US 2000210861 20000609; US
    2000240032 20001012; US 2001797318 20010301
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
    AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
    ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
    LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
    TR TT TZ UA UG UZ VN YU ZA ZW
    (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
    (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
    (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
    (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8109

Patent and Priority Information (Country, Number, Date):
  Patent: ... **20011129**
Fulltext Availability:

Detailed Description
Publication Year: **2001**

Detailed Description
... of all nested elements. The selection process is greatly shortened
14
by focusing the selection control 704 around the initial **location** of
the user's click on the **page** 420. A slider 708 then enables the user to
walk up and down the DOM **hierarchy** tree from that initial location.
By slightly altering the storage of the snippet 904, it is possible to
share alerts...

15/3,K/6   **(Item 4 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00835793   **Image available**
**SYSTEM AND METHOD FOR AUTOMATING BUSINESS PROCESSES AND PERFORMING DATA
    INTERCHANGE OPERATIONS IN A DISTRIBUTED COMPUTING ENVIRONMENT**
**SYSTEME ET PROCEDE D'AUTOMATISATION DE PROCESSUS D'ENTREPRISES ET DE
    REALISATION D'OPERATIONS D'ECHANGE DE DONNEES DANS UN ENVIRONNEMENT
    INFORMATIQUE DISTRIBUE**
Patent Applicant/Assignee:
  COMMERCEROUTE INC, Suite 325, 6425 Christie Avenue, Emeryville, CA 94608,
    US, US (Residence), US (Nationality)
Inventor(s):
  SEHAYEK Ilan, 2613 Carlmont, Belmont, CA 94002, US,
  MENDEZ Carlos, 2105 - 1st Avenue #403, Seattle, WA 98121, US,
  SHAKKED Orr, 15 Sullivan Drive, Moraga, CA 94556, US,
  ROTEM Doron, 22 Williams Drive, Moraga, CA 94556, US,
  NORDBERG Per Henrik, 1675 Geary Road, Walnut Creek, CA 94596-2519, US,
  CHU Shung-Yang Frank, 301 Rugby Avenue, Kensington, CA 94708, US,
Legal Representative:
  URIBE Mauricio A (agent), Christensen O'Connor Johnson & Kindness PLLC,
    Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101-2347, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200169431 A2 **20010920** (WO 0169431)
  Application: WO 2001US8611 20010314 (PCT/WO US0108611)
  Priority Application: US 2000524995 20000314
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
  LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 23262

Patent and Priority Information (Country, Number, Date):
  Patent: ... **20010920**
Fulltext Availability:
  Claims
Publication Year: **2001**

Claim
... object is a single node or a multi-instance node.
  The routine 1950 begins at block 1954, where the source **document** at the
  source **location** is read. Depending on the source data type, CROM calls

a reader to generate a source data tree object. At...

...is read. The file is then parsed to create the target STRUCT tree
object. At block 1958, the target STRUCT **tree** object is " **walked** " to
visit each node in the tree. Walking a tree in this manner is well know
to those skilled in...

 15/3,K/7   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00755423   **Image available**
CATEGORISING DATA
CATEGORISATION DE DONNEES
Patent Applicant/Assignee:
  ARGO INTERACTIVE LIMITED, 7 Dukes Court, Chichester, West Sussex PO19 2FX
    , GB, GB (Residence), GB (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
  JELBERT Richard, 37 Bognor Road, Chichester, West Sussex PO19 2NG, GB, GB
    (Residence), GB (Nationality), (Designated only for: US)
  TRIBBECK Jason Paul, 36 Nettlecombe Avenue, Southsea, Portsmouth PO4 0QW,
    GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  ROBINSON Nigel Alexander Julian (agent), D Young & Co., 21 New Fetter
    Lane, London EC4A 1DA, GB,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200068833 A2-A3 **20001116** (WO 0068833)
  Application: WO 2000GB1535 20000419 (PCT/WO GB0001535)
  Priority Application: GB 9910683 19990507; GB 9910684 19990507; GB
    9910679 19990507; GB 9910682 19990507; GB 9910685 19990507
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  JP US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 8714

Patent and Priority Information (Country, Number, Date):
  Patent: ... **20001116**
Fulltext Availability:
  Detailed Description
Publication Year: **2000**

Detailed Description
...   since the first page accessed (e.g. through a bookmark) was page e,
    this is at the top of the **hierarchy** . A user may subsequently **traverse**
    the entire web site in the order shown by the numbers. The pages are
    arranged in the session hierarchy according to these numbers with pages
    at the same horizontal level indicating the same **position** within the
    hierarchy.
  Hypertext   documents are viewed in some sequence by each reader,

  moving
  1 5 from one to another by choosing "links" within each...

 15/3,K/8   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00755421   **Image available**

GRAPHICAL DATA WITHIN DOCUMENTS
DONNEES GRAPHIQUES DANS DES DOCUMENTS
Patent Applicant/Assignee:
  ARGO INTERACTIVE LIMITED, 7 Dukes Court, Chichester, West Sussex PO19 2FX
    , GB, GB (Residence), GB (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
  JELBERT Richard, 37 Bognor Road, Chichester, West Sussex PO19 2NG, GB, GB
    (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  ROBINSON Nigel Alexander Julian (agent), D. Young & Co., 21 New Fetter
    Lane, London EC2A 1DA, GB,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200068831 A2-A3 20001116 (WO 0068831)
  Application: WO 2000GB1533 20000419 (PCT/WO GB0001533)
  Priority Application: GB 9910683 19990507; GB 9910684 19990507; GB
    9910679 19990507; GB 9910682 19990507; GB 9910685 19990507
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  JP US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 8299

Patent and Priority Information (Country, Number, Date):
  Patent: ... 20001116
Fulltext Availability:
  Detailed Description
Publication Year: 2000

Detailed Description
... since the first page accessed (e.g. through a bookmark) was page e.
  this is at the top of the hierarchv . A user may subsequently traverse
  the entire web site in the order shown by the numbers. The pages are
  arranged in the session hierarchy according to these numbers with pages
  at the same horizontal level indicating the same position within the
  hierarchy.

  Hypertext   documents are viewed in some sequence by each reader.
  moving
  from one to another bv choosincy "links" within each page. Where...

 15/3,K/9   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00736185   **Image available**
DOCUMENT MANAGEMENT METHOD AND TOOL
PROCEDE ET GESTION DE DOCUMENTS
Patent Applicant/Assignee:
  BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, 81 Newgate Street,
    London EC1A 7AJ, GB, GB (Residence), GB (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor: -
  BAGLEY Mark, Fairfield, Grove Hill, Belstead, Ipswich, Suffolk IP8 3LS,
    GB, GB (Residence), GB (Nationality), (Designated only for: US)
  BERRY Rachel, 59 Goodby Road, Moseley, Birmingham B13 8RP, GB, GB
    (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  GARRISON Christopher Sinclair, BT Group Legal Services, Intellectual
    Property Dept., 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE
    , GB

Patent and Priority Information (Country, Number, Date):
    Patent: WO 200049519 A1 20000824   (WO 0049519)
    Application: WO 2000GB552 20000216 (PCT/WO GB0000552)
    Priority Application: GB 993641 19990217; EP 99304800 19990618
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
    AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
    GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
    MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
    US UZ VN YU ZA ZW
    (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
    (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
    (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
    (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9533

Patent and Priority Information (Country, Number, Date):
    Patent: ... 20000824
Fulltext Availability:
    Detailed Description
Publication Year: 2000

Detailed Description
...   case the location of the source file structure 700) and the location
    of a 'target' directory into which the 'templated' **Web** **pages** may be
    output.

    Given the **location** of the source file structure 700, as with the first
    and second embodiments, when invoked the tool will first perform a
    so-called ' **tree** **traversing** ' procedure, in a top down fashion. Yet
    again in the course of this first procedure the branching form of the...

 15/3,K/10   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00432417   **Image available**
REMOTE ACCESS IN A GLOBALLY ADDRESSABLE STORAGE ENVIRONMENT
ACCES A DISTANCE DANS UN ENVIRONNEMENT DE STOCKAGE ADRESSABLE
Patent Applicant/Assignee:
    MANGOSOFT CORPORATION,
Inventor(s):
    CARTER John B,
    DAVIS Scott H,
    FRANK Steven J,
Patent and Priority Information (Country, Number, Date):
    Patent: WO 9822881 A1 19980528
    Application: WO 97US21460 19971121 (PCT/WO US9721460)
    Priority Application: US 96754481 19961122; US 97827534 19970328; US
       97850364 19970502
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
    AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
    ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
    PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW
    SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
    IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 26819

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19980528**
Fulltext Availability:
  Detailed Description
Publication Year: **1998**

Detailed Description
...   the global addressing memory engine level. The three most important 1
  5 data structures at that level for managing the **location** and
  consistency of a shared **page** are the Global RAM Directory (GRD), the
  local RAM copyset structures, and the Global Disk Directory (GDD). The
  global directories can be managed by **walking** a **tree** from root to
  desired leaf node, Ccpaging" in the appropriate pages as you need them.
  One way to extend the...

 15/3,K/11   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00383085   **Image available**
MEMORY PAGE COMPRESSION
COMPRESSION DE PAGES DE MEMOIRE
Patent Applicant/Assignee:
  ADVANCED MICRO DEVICES INC,
Inventor(s):
  MACDONALD James R,
  DUTTON Drew,
  COX Steve,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9723828 A1 **19970703**
  Application: WO 96US12005 19960719 (PCT/WO US9612005)
  Priority Application: US 95576100 19951221
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 9481

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19970703**
Fulltext Availability:
  Detailed Description
Publication Year: **1997**

Detailed Description
...   page frame I 1 1 and an offset portion 107 of linear address 109
  provides an offset to physical memory **location** 112.

  The compressed **page** mapping hierarchy 360 parallels address mapping
  hierarchy 350 and the same I 0 directory index 105 and table index 106
  portions of linear address 109 are used to **traverse** both **hierarchies** .

  However, unlike the address mapping hierarchy 350 which maps a full
  32-bit linear address to a physical memory **location** , the compressed
  page mapping hierarchy 360 maps from a linear page to a compressed page
  (i.e.,ftom the page in the linear...

 15/3,K/12   (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00251662

FILE DIRECTORY STRUCTURE GENERATOR AND RETRIEVAL TOOL
GENERATEUR DE STRUCTURE POUR REPERTOIRE DE FICHIERS, ET OUTIL D'EXTRACTION
Patent Applicant/Assignee:
  2010 SOFTWARE CORPORATION,
Inventor(s):
  COHEN-LEVY Leon,
Patent and Priority Information (Country, Number, Date):
  Patent: ´   WO 9325961 A1 **19931223**
  Application: WO 93US5556 19930610   (PCT/WO US9305556)
  Priority Application: US 92896514 19920610
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 16722

Patent and Priority Information (Country, Number, Date):
  Patent: ... **19931223**
Fulltext Availability:
  Detailed Description
Publication Year: **1993**

Detailed Description
... an
   example of the representative embodiment of the Document
   Location Box 70 which is displayed whenever the user
   selects the **document** **location** button 22 on the save card
   20 of Fig, 2 or the **document** **location** button 44 on the
   open card 40 of Fig. 4. Figs. 6a to 6e show the
   different displays in the **Document** **Location** Box 70 as the
   user **traverses** the real world **hierarchical** file structure
   9.

   The **Document** **Location** Box 70 is divided into two windows
   71 and 72 called the select window 71 and the path window
   72...The rename button 82
   allows the user to rename levels or files.

   Figs, 6a-6e show the state of the **Document** **Location** Box
   70 as the user **traverses** the real world **hierarchical** file
   structure 9. The first screen displayed to the user when
   user enters-the **Document** **Location** Box 70 (ie.,.when the
   user activates the **document** **location** button 44 on the
   open card 40 of Fig. 4) is shown in Fig. 6a. The path
   window 72 is...

...door icon
   76-78 represent the first defined level in the real world
   hierarchical file structure 9. The user, to **traverse** the
   real world **hierarchical** file structure 9, must select one
   or more of the door icons 76-78,
   Assuming that the user selects the 11AGI Investments" icon
   76 then the state of the **Document** **Location** Box'70 will be
   that shown in Fig. 6b. The door icon 76 that was
   selected by the user now...

```
File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200522
        (c)  2005   Thomson Derwent

Set     Items    Description
S1      13809    WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR HYPERTEXT??? OR -
                 HTTP)()PAGE? ? OR (HTML OR XML OR (MARKUP OR MARK()UP)()LANGU-
                 AGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUMENT? ?)
S2     1083385   DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3      22926    (POSITION OR LOCATION)(5N)(CURSOR OR POINTER OR ARROW OR M-
                 ARKER OR INDICATOR)
S4        102    S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5      23140    (POSITION OR LOCATION)(7N)S1:S2
S6      69302    TREE OR TREES OR HIERARCH?
S7        274    S6(5N)(WALK??? OR TRAVERS???)
S8        667    (POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A-
                 RROW OR MARKER OR INDICATOR)
S9          0    (S4 OR S8) AND S7
S10        18    (S4 OR S8) AND S6
S11         0    PARSE()TREE? ? AND (S4 OR S8)
S12         3    AU=CORONA G?
S13         7    S10 AND AC=US/PR
S14         6    S13 AND AY=(1970:2001)/PR
S15         8    S10 AND PY=1970:2001
S16         9    S14:S15
S17         1    S5 AND S7
```

16/5/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05650965   **Image available**
INFORMATION RECORDING MEDIUM AND ITS RECORDING/ REPRODUCING DEVICE

PUB. NO.:   09-265765 [JP 9265765 A]
PUBLISHED: October 07, 1997 (19971007)
INVENTOR(s):   MORIYAMA YOSHIAKI
               SAWABE TAKAO
               YOSHIMURA RYUICHIRO
               YAMAMOTO KAORU
               TOZAKI AKIHIRO
               YOSHIO JUNICHI
               KOBORI HIROHIDE
               IWASE KENJI
               YAMANASHI HIROTAKA
               NAKAYAMA NAOYUKI
APPLICANT(s): PIONEER ELECTRON CORP [000501] (A Japanese Company or
               Corporation), JP (Japan)
               PIONEER L D C KK [000000] (A Japanese Company or Corporation)
               , JP (Japan)
APPL. NO.:   08-068730 [JP 9668730]
FILED: March 25, 1996 (19960325)
INTL CLASS: [6] G11B-027/10; G06F-007/10; G06F-012/00; G06F-017/30;
               G11B-020/12
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING
               -- Arithmetic Sequence Units); 45.2 (INFORMATION PROCESSING
               -- Memory Units); 45.4 (INFORMATION PROCESSING -- Computer
               Applications)
JAPIO KEYWORD:R002 (LASERS); R101 (APPLIED ELECTRONICS -- Video Tape
               Recorders, VTR); R102 (APPLIED ELECTRONICS -- Video Disk
               Recorders, VDR); R138 (APPLIED ELECTRONICS -- Vertical
               Magnetic & Photomagnetic Recording)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an information recording medium capable of
describing   text   information   on   individual   **hierarchies**   and   rapidly
retrieving   the   text   information   by   relating   a text to a   **hierarchical**
 structure with a   **hierarchical**   information piece.

SOLUTION: A **text** head **pointer** 129b as a **text** arrangement information
piece showing the   **position**   of the text recorded as a character code line
in   an   item   text   part   130   and   an   item code 129a as text correspondent
 hierarchical   information piece or a kind information piece are recorded
as   a pair in an item text pointer 129. In the information recording medium
constituted   in   such   a   manner,   since   the   text   is   related   to   the
 hierarchical   structure by the   **hierarchical**   information piece, provision
of a text for each of plural   **hierarchies**   becomes possible. Further, since
the   text arrangement information piece showing the arrangement of the text
information   piece   is   incorporated,   the   text   information   is   retrieved
rapidly.

16/5/2   (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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02775855
SYSTEM FOR AUTOMATICALLY SWITCHING INPUT MODE

PUB. NO.:   01-073455 [JP 1073455 A]
PUBLISHED: March 17, 1989 (19890317)
INVENTOR(s):   SUZUKI FUMIYOSHI

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
HITACHI PROCESS COMPUT ENG INC [485525] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.:   62-229588   [JP 87229588]
FILED: September 16, 1987 (19870916)
INTL CLASS: [4] G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 893, Vol. 13, No. 291, Pg. 162, July
06, 1989 (19890706)

ABSTRACT

PURPOSE: To efficiently execute a program editing operation by
automatically switching an input mode by means of shifting a cursor to a
non-terminal symbol position.

CONSTITUTION: A non-terminal symbol is displayed by the screen output of a
syntax template. Namely, the non-terminal symbol **position** turns into a
text input **position** and a user shifts the **cursor** to the non-terminal
symbol **position** . At the time, a **text** in a **position** to which the
cursor has shifted and a **tree** are read whenever the cursor is shifted,
and a character in the position of the cursor is decided to be a
non-terminal symbol or not. If it is recognized to be the non-terminal
symbol, the input mode is set to a **text** input mode. If the present
position of the **cursor** is on the non-terminal symbol and the position
of the cursor is positioned except on the non-terminal symbol as the result
of the shift of the cursor, the input mode is switched from the text input
mode to a common input mode. Thus, the user can switch the input mode only
by the shift of the cursor without switching the mode.

16/5/3   (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02452065   **Image available**
DOCUMENT EDITING DEVICE

PUB. NO.:   63-068965   [JP 63068965 A]
PUBLISHED: March 28, 1988 (**19880328**)
INVENTOR(s):   SANO HIROSHI
               ISHIDA KATSUYO
               KONNO SATOSHI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.:   61-212667   [JP 86212667]
FILED: September 11, 1986 (19860911)
INTL CLASS: [4] G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R139 (INFORMATION PROCESSING -- Word Processors)
JOURNAL: Section: P, Section No. 743, Vol. 12, No. 295, Pg. 80, August
11, 1988 (19880811)

ABSTRACT

PURPOSE: To heighten the efficiency of edition by storing places on a
document for which edition indication is performed and their edition career
information and restoring the places indicated in response to **cursor**
position to the **document** before edition indication referring to the
edition career information.

CONSTITUTION: A document edition control section 3 judges whether edition
career is to be recorded or not according to edition indication operation
information inputted from an input control section 2 through an input
device 1, and analyzes document edition operation indication and gives a
command to a document editing section 6. The result of edition in the

editing section 6 is stored in a document and edition career storing section 5, and at the same time, an edited document is outputted to an output device 8 through an output control section 7. An edition career operating section 4 records the career of editing operation and records the result in the storing section 5 in **tree** structure. Further the section takes out career of places indicated responding to **cursor position** according to information from the control section 3 that commands **documents** restoration, and outputs to the device 8 through the control section 7. Thus, the restoration can be made to the document before edition indicating operation, and the efficiency of edition can be improved.

16/5/4   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014622755   **Image available**
WPI Acc No: 2002-443459/200247
XRPX Acc No: N02-349392
   Duplicate tree **structures utilization method for** hierarchical
   structured data documents , **involves storing map** pointer **at address in
   map index in** location **of duplicate array**
Patent Assignee: NEO CORE INC (NEOC-N)
Inventor: DIREEN H G
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020046205	A1	20020418	US 2000240574	P	20001013	200247	B
			US 2001962952	A	20010925		

Priority Applications (No Type Date): US 2000240574 P 20001013; US
   2001962952 A 20010925
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020046205	A1		20	G06F-007/00	Provisional application US 2000240574

Abstract (Basic): US 20020046205 A1
       NOVELTY - The address of an item and its map pointer are received
   and stored. If the address in the map index is not empty, it is
   determined whether the duplicate indicator is set. If not, a duplicate
   array is selected and the existing map pointer is stored, at the
   address in the map index, in a location of the duplicate array.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
   following:
       (1) **Hierarchical** structured data document system having a
   duplicate **tree** structure; and
       (2) **Hierarchical** structured data document system operating
   method.
       USE - For using duplicate **tree** structure for structured data
   documents such as hypertext markup language (HTML), standard
   generalized markup language (SGML) and extensible markup language
   (XML). For Internet and other business applications using XML.
       ADVANTAGE - Reduces the size of structured data documents and
   increases the ease of storage. Requires less memory to store and less
   bandwidth to transmit. Significantly reduces the collisions resulting
   from duplicate storage inside an associative memory.
       DESCRIPTION OF DRAWING(S) - The figure shows the flowchart
   explaining the method of storing a structured data document.
       pp; 20 DwgNo 7/19
Title Terms: DUPLICATE; **TREE** ; STRUCTURE; UTILISE; METHOD; **HIERARCHY** ;
   STRUCTURE; DATA; DOCUMENT; STORAGE; MAP; POINT; ADDRESS; MAP; INDEX;
   LOCATE; DUPLICATE; ARRAY
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI

16/5/5   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012578735   **Image available**
WPI Acc No: 1999-384842/ 199932
XRPX Acc No: N99-288196
   Page proxy for bookmarking uniform resource locators in web browser
Patent Assignee: NETSCAPE COMMUNICATIONS CORP (NETS-N)
Inventor: BAUERSFELD K
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 5917491   A   19990629   US 97920960   A   19970829   199932   B

Priority Applications (No Type Date): US 97920960 A 19970829
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 5917491   A   11 G06F-003/00

Abstract (Basic): US 5917491 A
     NOVELTY - A proxy tool manipulates a page proxy displayed in a
window using gestures. A navigation aid provides an organization view
of **page** proxy destination **location** and actions. A **cursor** gesture
is moved over for attaching to the **page** proxy and mouse is used for
dragging and dropping the page proxy to navigation aid.
     DETAILED DESCRIPTION - The proxy tool has a page proxy icon (16)
located on a menu bar proximate to a page location field (12). The
navigation aid has a drag drop menu that includes **hierarchically**
arranged contents, including multiple levels of sub-menus. The page
proxy manages web page locations in the form of uniform resource
locators (URLs) as web page bookmarks. An INDEPENDENT CLAIM is also
included for page information representation management method.
     USE - For bookmarking uniform resource locators and managing
representations of page information in web browser such as netscape
navigator and for managing E-mail messages.
     ADVANTAGE - Allows to retain ability within a browser for bookmarks
to be acquired and revisited easily, thereby providing more information
to users when organizing their bookmarks.
     DESCRIPTION OF DRAWING(S) - The figure shows schematic
representation of a portion of browser display showing page proxy for
bookmarking URLs.
     Page location field (12)
     Page proxy icon (16)
     pp; 11 DwgNo 1/6
Title Terms: PAGE; UNIFORM; RESOURCE; LOCATE; WEB
Derwent Class: T01
International Patent Class (Main): G06F-003/00
File Segment: EPI

16/5/6   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012522855   **Image available**
WPI Acc No: 1999-328961/ 199928
XRPX Acc No: N99-246850
   Tracking method for locations in electronic documents
Patent Assignee: ADOBE SYSTEMS INC (ADOB-N)
Inventor: YOUNG J E
Number of Countries: 027 Number of Patents: 003
Patent Family:

```
Patent No      Kind   Date      Applicat No    Kind   Date      Week
EP 919936      A2     19990602  EP 98309519    A      19981126  199928  B
JP 11232307    A      19990827  JP 98335923    A      19981126  199945
CA 2254495     A1     19990526  CA 2254495     A      19981125  199946
```

Priority Applications (No Type Date): US 97980110 A 19971126
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC      Filing Notes
EP 919936        A2 E  12  G06F-017/22
```
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI
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JP 11232307    A       11  G06F-017/30
CA 2254495     A1 E        G06F-017/30
```

Abstract (Basic): EP 919936 A2
        NOVELTY - The computer system allows the user to create and alter
    documents (130). The documents consists of many parts, e.g. sections,
    chapters, paragraphs, graphics. Each of the parts can have a pointer
    associated with it. The pointers are managed by a location manager
    (102). Separate functions, e.g. editing, searching, use the **location
    manager** to maintain the **pointer** information. Alterations to the **text**
    is reflected in the **pointer   hierarchy** .
        USE - Tracking locations in electronic documents
        ADVANTAGE - Provides a central location and consistent management
    of parts of an electronic document
        DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a
    computer platform suitable for supporting a location manager in
    accordance with the invention.
        Manager of points within documents (102)
        Documents (130)
        pp; 12 DwgNo 1/8
Title Terms: TRACK; METHOD; LOCATE; ELECTRONIC; DOCUMENT
Derwent Class: T01
International Patent Class (Main): G06F-017/22; G06F-017/30
International Patent Class (Additional): G06F-019/00
File Segment: EPI

 16/5/7   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012217611   **Image available**
WPI Acc No: 1999-023717/ 199902
XRPX Acc No: N99-018216
    **Computer controlled three dimensional document display system - detects
    cursor movement corresponding to selected and destination documents based
    on which hierarchical display and positioning of documents in three
    dimensional workspace is carried out**
Patent Assignee: XEROX CORP (XERO)
Inventor: CARD S K; ROBERTSON G G; YORK W M
Number of Countries: 001 Number of Patents: 001
Patent Family:
```
Patent No      Kind   Date      Applicat No    Kind   Date      Week
US 5838326     A      19981117  US 96721302    A      19960926  199902  B
```

Priority Applications (No Type Date): US 96721302 A 19960926
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC      Filing Notes
US 5838326     A       19  G06F-003/00
```

Abstract (Basic): US 5838326 A
        The system includes a retrieval unit for retrieving data from a
    desired document. The position of each document to be displayed in a
    three dimensional workspace is indicated by a pointer of a cursor

controller (106). The indicated documents are displayed in predefined positions within the workspace. The pointing **position** of **cursor** corresponding to selected **document** and downward movement of a switch in the **pointer** are detected. A line is drawn corresponding to the detected **cursor** movement. The **position** of **cursor** with respect to destination **document** and upward movement of switch are detected.

A predefined operation is performed based on the designated document destination. The information in the selected document is displayed in comprehensive manner in a focus space by a display circuit (107). The ephemeral position of various documents undisplayed in the focus area is displayed in an intermediate space. The unused documents are displayed in a tertiary space in the display surface. The flick operation performed by the user corresponding to the document is detected. Based on the detected flick position, the document reposition is carried out.

USE - For display of documents downloaded from WWW in internet.

ADVANTAGE - Facilitates display of several documents thereby raises accessing efficiency. Enables position of desired documents in various orientations according to user's view. Enables display of several documents according to **hierarchical** order. Facilitates determination of document position based on drawing line indicated with respect to flick gesture.

Dwg.1/12

Title Terms: COMPUTER; CONTROL; THREE; DIMENSION; DOCUMENT; DISPLAY; SYSTEM
 ; DETECT; CURSOR; MOVEMENT; CORRESPOND; SELECT; DESTINATION; DOCUMENT;
 BASED; **HIERARCHY** ; DISPLAY; POSITION; DOCUMENT; THREE; DIMENSION; CARRY
Derwent Class: T01
International Patent Class (Main): G06F-003/00
File Segment: EPI

16/5/9   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

008375272   **Image available**
WPI Acc No: 1990-262273/ **199035**
XRPX Acc No: N90-203223
  Element marks contracting technique for structured document - contracting
  and expanding element mark at any level, and permitting user to
  manipulate logical structure with or without tag display
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: HESSE E M; KOZOL M; LIM C; HESSE E
Number of Countries: 014 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 384184	A	19900829	EP 90102063	A	19900202	199035	B
AU 9047960	A	19900830				199042	
CA 2000014	A	19900824				199045	
BR 9000874	A	19910213				199111	
US 5185698	A	19930209	US 89315374	A	19890224	199308	
EP 384184	A3	19930107	EP 90102063	A	19900202	199345	
CA 2000014	C	19931221	CA 2000014	A	19891002	199406	

Priority Applications (No Type Date): US 89315374 A 19890224
Cited Patents: NoSR.Pub; 3.Jnl.Ref; DE 3138734; GB 2043311; US 3974493
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 384184	A				

    Designated States (Regional): BE CH DE ES FR GB IT LI NL SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5185698	A		13	G06F-007/28	
CA 2000014	C			G06F-015/403	

Abstract (Basic): EP 384184 A
        The document processing system includes a central processing unit

(10), a random access memory (26) and a display device (21). The method **hierarchically** contracts element marks about a reference point in a structured document (33) containing a stream mark, and comprises the steps of determining whether the reference point is inside the stream mark, contracting the stream mark to the largest element which is completely contained in the stream mark and located at the **current document position** to produce an element mark, and displaying the structured document emphasizing the element mark.

USE ADVANTAGE - Capable of **hierarchically** contracting and expanding element marks. Editing and processing of structured documents. (25pp Dwg.No.1/5)

Title Terms: ELEMENT; MARK; CONTRACT; TECHNIQUE; STRUCTURE; DOCUMENT; CONTRACT; EXPAND; ELEMENT; MARK; LEVEL; PERMIT; USER; MANIPULATE; LOGIC; STRUCTURE; TAG; DISPLAY
Derwent Class: T01
International Patent Class (Main): G06F-007/28; G06F-015/403
International Patent Class (Additional): G06F-015/21
File Segment: EPI
?

```
File 275:Gale Group Computer DB(TM) 1983-2005/Apr 08
          (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 08
          (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Apr 08
          (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Apr 08
          (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Apr 08
          (c)2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Apr 07
          (c) 2005 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2005/Apr 08
          (c) 2005 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2005/Mar W3
          (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/Apr W1
          (c) 2005 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2005/Apr 07
          (c) 2005 The Dialog Corp.
File 369:New Scientist 1994-2005/Mar W2
          (c) 2005 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2005/Apr 07
          (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Apr 08
          (c) 2005 PR Newswire Association Inc
```

Set	Items	Description
S1	302596	WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR XML OR SGML OR H-YPERTEXT??? OR HTTP)()PAGE? ? OR (HTML OR XML OR SGML OR (MAR-KUP OR MARK()UP)()LANGUAGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUM-ENT? ?)
S2	9238372	DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3	865	(POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A-RROW OR MARKER OR INDICATOR)
S4	472	S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5	38144	(POSITION OR LOCATION)(7N)S1:S2
S6	519551	TREE OR TREES OR HIERARCH?
S7	2064	S6(5N)(WALK??? OR TRAVERS???)
S8	0	S3:S4(50N)S7
S9	0	S3:S4(100N)S7
S10	2	S5(50N)S7
S11	2	S5(100N)S7
S12	1	RD (unique items)

02256892   SUPPLIER NUMBER: 53482088   (USE FORMAT 7 OR 9 FOR FULL TEXT)
DHTML That Works in Both IE and Navigator.(designing Web sites for
  cross-browser compatibility)(Technology Tutorial)(Tutorial)
Stanek, William Robert
PC Magazine, 212(1)
Jan 19, 1999
DOCUMENT TYPE: Tutorial   ISSN: 0888-8507   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2211   LINE COUNT: 00182

 ...   are accessed according to their positions in the tree. The key to
accessing specific element layers is the ability to **traverse** the **tree**
structure. The root of the tree is the document object. The next level of
the tree is accessed via the either of the following statements:
     document.layers('layer1').left += 5;
     document .layer1.left += 5;
     To set the left **position** of layer A, you would do this via layer 1
as in any of the following:
     document.layers('layer1').document...

 ...5;
     document.layer1.document.a.left += 5;
     document.layers('layer1').document.a.left += 5;
     As you can see, having to **traverse** the object **tree** for multiple
layers is a chore. If you avoid nesting containers and position each
container independently, you can avoid **traversing** multiple levels of the
tree .
     Because IE and Navigator reference object attributes in different
ways, you'll need conditional statements in your code to determine...

Set   Items   Description
S1   23527   WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR XML OR SGML OR H-
                 YPERTEXT??? OR HTTP)()PAGE? ? OR (HTML OR XML OR SGML OR (MAR-
                 KUP OR MARK()UP)()LANGUAGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUM-
                 ENT? ?)
S2   2298034 DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3   39   (POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A-
                 RROW OR MARKER OR INDICATOR)
S4   153   S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5   8840   (POSITION OR LOCATION)(10N)S1:S2
S6   796410   TREE OR TREES OR HIERARCH?
S7   3382   S6(7N)(WALK??? OR TRAVERS???)
S8   0   S3:S4 AND S7
S9   0   S5 AND S7